

T 9573 US

Claims

1. A housing for an electronic monitoring device on a
5 vehicle part such as a lead accumulator,
comprising:
a) a metallic load-bearing baseplate;
b) an injection molded generally parallelepipedal
housing body encapsulating the baseplate;
10 said baseplate projecting out of said housing body
on at least one side with a cantilevered attachment
section.
- 15 2. The housing according to Claim 1, wherein said
baseplate is stamped from sheet metal.
3. The housing according to Claim 2, wherein at least
one contact plate is stamped from said sheet metal
with at least one contact tag projecting out of
20 said housing body after encapsulation.
4. The housing according to Claim 3, wherein said
contact tag is surrounded by a protective sleeve
integrally molded with said housing body.
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5. The housing according to Claim 1, wherein said
baseplate has at least one stamped-out soldering
pin that is perpendicularly bent upwards inside
said housing body.
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6. The housing according to Claims 3, wherein said
contact plate has at least one stamped-out
soldering pin that is perpendicularly bent upwards
inside said housing body.
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7. The housing according to Claim 1, wherein said housing body comprises integrally molded internal support structures for a printed circuit board.
- 5 8. The housing according to Claim 1, wherein said housing body has an open side opposite said baseplate and a removable cover fits on the open side of said housing body.
- 10 9. The housing according to Claim 1, wherein said attachment section of said baseplate has at least one embossed reinforcement bead.
- 15 10. The housing according to Claim 1, wherein said attachment section has at least one attachment hole for the passage of a stud which is attached to a cell terminal of a lead accumulator.
- 20 11. The housing according to Claim 1, wherein said baseplate has a contact tag that is bent upwards and that forms a contact surface for a temperature sensor element mounted on a printed circuit board.